

PATENT
Customer No. 22,852
Attorney Docket No. 5788.0251

-44-

ABSTRACT OF THE DISCLOSURE

A method for determining at least one parameter of a periodic spin function $\alpha(z)$ with period p , to be applied to an optical fibre along its length z during a drawing process. At least one parameter is selected so that (I) where ϵ_1 is about 0.05 and y_1 is the first of the three components $y_1(z)$, $y_2(z)$, $y_3(z)$ of a periodic function $y(z)$ of period p such that (II) where L_B is an expected beat length of said optical fibre and $\alpha(z)$ is the derivative of the spin function $\alpha(z)$ with respect to the length z . The method is effective for substantially reducing the PMD of optical fibres drawn when applying a spin function.

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com